

List of Current Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 10 (Cancelled).

11. (New) A pressure mediator, having:

a base body with a membrane bed, wherein said base body comprises a first material with a first coefficient of thermal expansion; and

a separating membrane, which comprises a second material with a second coefficient of thermal expansion smaller than said first coefficient of thermal expansion, wherein:

said separating membrane is secured in its edge region to said base body in such a way that said membrane bed is covered over by said separating membrane;

said separating membrane has a separating membrane relief, which is formed by embossing against said membrane bed, after securement of said separating membrane to said base body; and

said embossing of said membrane relief occurred at a temperature of less than about 10°C.

12. (New) The pressure mediator as claimed in claim 11, wherein:

the embossing of said separating membrane occurs at a temperature of, at most, 0°C, preferably of, at most, -10°C, more preferably of, at most, -20°C, and especially preferably of, at most, -40°C.

13. (New) The pressure mediator as claimed in claim 11, wherein:

said separating membrane comprises a corrosion-resistant alloy or tantalum.

14. (New) The pressure mediator as claimed in claim 11, wherein:
said base body comprises a VA-steel.

15. (New) The pressure mediator as claimed in claim 11, wherein:
said separating membrane is secured to said base body by a self-closing weld
seam or braze joint.

16. (New) A method of manufacturing a pressure mediator, comprising the
steps of:
providing a base body with a membrane bed;
securing a separating membrane to the base body; and
embossing a relief of the membrane bed onto the separating membrane at a
temperature of, at most, 10°C.

17. (New) The method as claimed in claim 16, wherein:
said step of embossing occurs at a temperature of, at most, 0°C, preferably of,
at most, -10°C, more preferably of, at most, -20°C, and especially preferably of, at most,
-40°C.

18. (New) The method as claimed in claim 16, wherein:
said step of embossing occurs hydraulically.

19. (New) The method as claimed in claim 16, wherein:
said step of embossing occurs at an embossing pressure between 250 and 350
bar.

20. (New) The method as claimed in claim 18, wherein:
said hydraulic embossing occurs with a hydraulic liquid, whose temperature
amounts to not more than 20°C.